

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/050168

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: D21F 7/04, D21G 9/00, G01N 21/89

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: D21F, D21G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 03080928 A1 (METSO PAPER, INC.), 2 October 2003 (02.10.2003), page 16, line 12 - line 16; page 18, line 8 - page 19, line 6, figures 2-3, claims 1-10, abstract --	1-12
X	US 4154004 A (TRÖSCHER), 15 May 1979 (15.05.1979), claims 1-4, abstract --	1,5-7
X,D	EP 1335067 A1 (VOITH PAPER PATENT GMBH), 13 August 2003 (13.08.2003), column 4, line 43 - column 5, line 4, figures 2-3, claims 1-14, abstract --	1-12

☒ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&" document member of the same patent family

Date of the actual completion of the international search

15 February 2005

Date of mailing of the international search report

16-02-2005

Name and mailing address of the ISA/
Swedish Patent Office
Box 5055, S-102 42 STOCKHOLM
Facsimile No. +46 8 666 02 86

Authorized officer

NILS NORDIN/BS
Telephone No. +46 8 782 25 00

INTERNATIONAL SEARCH REPORT

International application No.

PCT/FI 2004/050168

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1031658 A2 (HILDECO OY LTD.), 30 August 2000 (30.08.2000), abstract -- -----	1,7

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Information on patent family members

30/01/2005

International application No.

PCT/FI 2004/050168

WO 03080928 A1 02/10/2003

CA	2478862 A	02/10/2003
EP	1495185 A	12/01/2005
FI	20025015 A	28/09/2003
FI	20025055 D	00/00/0000

US 4154004 A 15/05/1979

DE	2646814 A,C	20/04/1978
FR	2368002 A,B	12/05/1978
GB	1586226 A	18/03/1981
IT	1091017 B	26/06/1985
SE	430718 B,C	05/12/1983
SE	7711504 A	17/04/1978

EP 1335067 A1 13/08/2003

CA	2418592 A	09/08/2003
JP	2003239193 A	27/08/2003
US	20030150577 A	14/08/2003

EP 1031658 A2 30/08/2000

SE	1031658 T3	
AT	267913 T	15/06/2004
CA	2298330 A	25/08/2000
CN	1264836 A	30/08/2000
DE	60010945 D	00/00/0000
DK	1031658 T	26/07/2004
FI	4621 U	13/09/2000
FI	110343 B	00/00/0000
FI	990408 A,V	26/08/2000
JP	2000247518 A	12/09/2000
US	6463170 B	08/10/2002